

wherein the bond between the 3- and 4-positions of the carbostyryl skeleton is as defined above, with a tetrazole derivative represented by the following general formula (III):



7. A process for producing a carbostyryl derivative according to Claim 1, wherein X in the tetrazole derivative represented by general formula (III) is a group causing the same substitution reaction as that caused by a halogen atom, and said group is a lower alkanesulfonyloxy group, an arylsulfonyloxy group or an aralkylsulfonyloxy group.

8. A process for producing a carbostyryl derivative according to Claim 6, wherein X in the tetrazole derivative represented by general formula (III) is a chlorine atom.

9. A process for producing a carbostyryl derivative according to Claim 1, wherein said phase transfer catalyst is a quaternary ammonium salt substituted with a residue selected from the group consisting of straight or branched chain alkyl groups having 1-18 carbon atoms, phenyl lower alkyl groups and phenyl groups, a phosphonium salt substituted with a straight or branched chain alkyl group having 1-18 carbon atoms, or a pyridinium salt substituted with a straight or branched chain alkyl group having 1-18 carbon atoms, and the salt-forming ion in these salts is a hydroxyl ion, a hydrogen sulfate ion or a halogen ion.

10. A process for producing a carbostyryl

16. A process for producing a carbostyryl derivative according to Claim 1, which is a process for

producing 6-[4-(1-cyclohexyl-1,2,3,4-tetrazol-5-yl)butoxy]-3,4-dihydrocarbostyril.